

shrimps, *Thysanopoda*, sp: larval Crabs in the *Zoea* and *Megalops*—stages of development, young of hermit crabs, *Platyonichus ocellatus*, young of two undetermined *Macroura*, numerous small Copepod Crustaceans, and numerous shells of a *Pteropod*, *Spirialis Gouldii*."

The winged Pteropods, noticed at the close of this paper, very probably form an important part of Mackerel food, as they sink and rise with changes in the temperature of the zone or sheet of water in which they are feeding. The use of the thermometer may become of great practical importance in determining the zone of depth in which the fish are pursuing their free-swimming food. This instrument is now largely used by the Dutch in their herring fishery.